

**FIG. 17** Bass Basin part I 02-001

HAEMATITE EXPLORATIONS PTY. LTD.

**BASS BASIN**

**TOTAL THICKNESS**  
UNITS I to IV

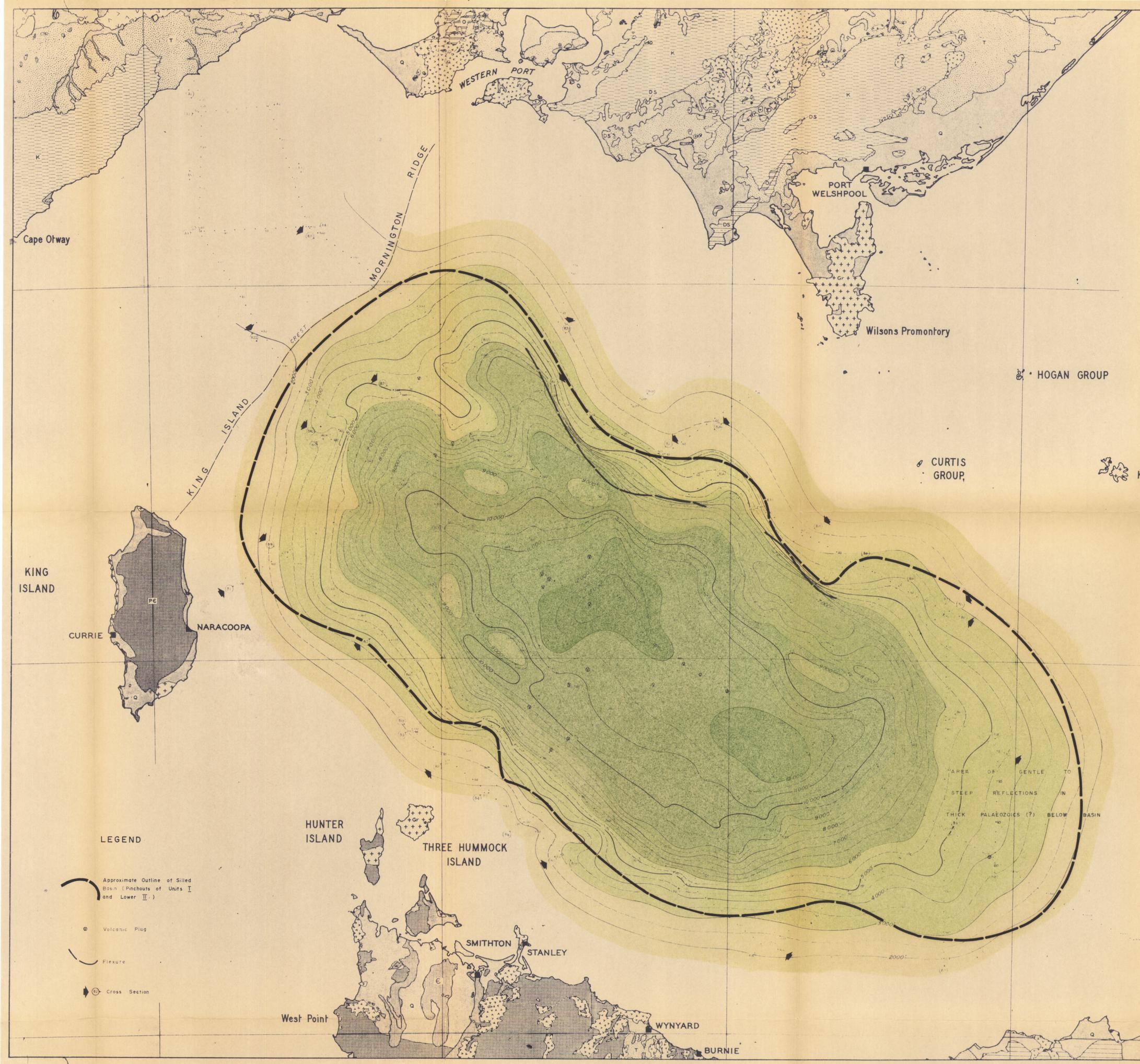
048054

5 cm

G.H.H. SEPTEMBER, 1964 L.C. REED  
A.S. MAUREIRA

SCALE OF MILES  
0 10 20 30 40 50  
1:506,880

**O.G. 686**



**STRATIGRAPHIC SEQUENCE**

UNIT	THICKNESS (feet)	DESCRIPTION
IV	1500 - 2500	PLIOCENE (?) - PLEISTOCENE Assumed mainly shallow water limestones and calcareous sands. Probably similar to beds on Flinders Is. and coastal Victoria.
III	2000 - 3000	MIOCENE (?) Probably marls, limestones and calcareous sands.
II	4500 - 5500	SUBOCCENE - MIOCENE (?) Shelf reef buildups on NE and SW sides of basin. At top of unit is limestone (called Limestone Bank). 500' - 1500' thick developed over part of basin. Contains 12 and more reef buildups. Argillaceous facies expected in deeper water environment.
I	5500 - 6500	ECCENE (?) Marine clastics (?)
BASEMENT		GRANITES, METAMORPHICS Thick Palaeozoic (?) sediments under southeast corner of basin. Possibly patches under SW flank.

MAPPED

**LEGEND**

- Approximate Outline of Silled Basin (Pinchouts of Units I and Lower II.)
- Volcanic Plug
- Flexure
- Cross Section

